

WHAT IS CLAIMED IS:

1. Spray head for a spraying tool, especially for spraying the mold halves of a pressure casting machine, having spray nozzles fed with spray agents, which are mounted on spray plates or spray strips which are composed modularly of units, wherein at the end portions of the units to be joined together receiving chambers for coupling elements are provided, which communicate with passages for the media to be sprayed, that the coupling elements reach into both chambers of the ends to be joined together, and are provided with a passage and with recesses having at least one sloping plane which are engaged by clamping means which can be actuated from without, and press the units firmly together.
2. Spray head according to claim 1, wherein the coupling elements are provided with sealing rings at both end faces.
3. Spray head according to claim 1, wherein the coupling elements are configured as cylindrical pins with two recesses each which are provided with sloping planes ascending each to an end.
4. Spray head according to claim 1, wherein the clamping means are configured as screws which cooperate at a conical tip with the recesses.
5. Spray head according to claim 1, wherein in each case two chambers parallel to one another are provided at each end of the units.
6. Spray head according to claim 5, wherein the chambers are coaxial with two of the passages, especially with those for control air and parting agents.
7. Spray head according to claim 6, wherein, between the two passages with which the chambers 21 are coaxial, a third passage runs, especially the one for drying air.
8. Spray head according to claim 1, wherein the units are provided with chamfered terminal areas for the connection of additional units.

9. Spray head according to claim 8, wherein the end portions are formed by attached angle pieces (35,36) of prescribable angle, especially 45° or 90°.

10. A spray head for a spraying tool, comprising:

a plurality of modular spray units each having an end and a plurality of passages for the media to be sprayed, wherein the end of each spray unit has a receiving chamber;

a plurality of coupling elements, which communicate with the passages and reach into both chambers at the ends of the spray units that are joined, each coupling element including a passage and a recess having a sloping plane; and

a clamping device for engaging the sloping plane and pressing the joined spray units together.

11. The spray head according to claim 10, wherein each coupling element has two ends and a sealing ring at each end.

12. The spray head according to claim 10, wherein each coupling element has a cylindrical configuration and two recesses, each of which has a sloping plane.

13. The spray head according to claim 11, wherein the clamping device includes a screw having a conical tip which cooperates with one of the recesses.

14. The spray head according to claim 10, wherein the end of each spray unit has two receiving chambers arranged parallel to one another.

15. The spray head according to claim 14, wherein the two chambers are coaxial with two of the passages of one of the spray units.

16. The spray head according to claim 15, wherein, between the two passages with which the two chambers are coaxial, the end of each spray unit includes a third passage.

17. The spray head according to claim 10, wherein one of the spray units has chamfered terminal areas for connecting to one other spray unit.

18. The spray head according to claim 17, further comprising an angled spray unit.

19. A method of making a spray head for a spraying tool, comprising:

connecting two modular spray units end to end using a plurality of coupling elements, wherein each spray unit has an end and a plurality of passages for the media to be sprayed, wherein the end of each spray unit has a receiving chamber, and wherein the coupling elements communicate with the passages and reach into both chambers at the ends of the spray units, each coupling element including a passage and a recess having a sloping plane

using a clamping device to engage the sloping plane and pressing the joined spray units together.